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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/531,329	09/16/2005	Satoshi Hiranuma	1575.0155PUS1	1359
	7590 01/16/2007 ART KOLASCH & BIRO	EXAMINER		
PO BOX 747		TRAN, DIEM T		
FALLS CHURCH, VA 22040-0747			ART UNIT	PAPER NUMBER
,			3748	
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SHORTENED STATUTORY	Y PERIOD OF RESPONSE	NOTIFICATION DATE	DELIVERY MODE	
3 MONTHS 01/16/2007			FLECTRONIC	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

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		M			
	Application No.	Applicant(s)			
0.55	10/531,329	HIRANUMA ET AL.			
Office Action Summary	Examiner	Art Unit			
	Diem Tran	3748			
The MAILING DATE of this communicate Period for Reply	ition appears on the cover sheet w	rith the correspondence address			
A SHORTENED STATUTORY PERIOD FOR WHICHEVER IS LONGER, FROM THE MAI - Extensions of time may be available under the provisions of after SIX (6) MONTHS from the mailing date of this communi - If NO period for reply is specified above, the maximum statut - Failure to reply within the set or extended period for reply will Any reply received by the Office later than three months after earned patent term adjustment. See 37 CFR 1.704(b).	LING DATE OF THIS COMMUNI 37 CFR 1.136(a). In no event, however, may a scation. ory period will apply and will expire SIX (6) MOI, by statute, cause the application to become A	CATION. reply be timely filed NTHS from the mailing date of this communication. BANDONED (35 U.S.C. § 133).			
Status					
1) Responsive to communication(s) filed	on .				
·— ·	This action is non-final.				
3) Since this application is in condition for	,				
closed in accordance with the practice	under Ex parte Quayle, 1935 C.E	D. 11, 453 O.G. 213.			
Disposition of Claims					
4)⊠ Claim(s) <u>1-5</u> is/are pending in the appl	ication.	•			
4a) Of the above claim(s) is/are					
5)⊠ Claim(s) <u>2-5</u> is/are allowed.		•			
6)⊠ Claim(s) <u>1</u> is/are rejected.	•				
7) Claim(s) is/are objected to.		•			
8) Claim(s) are subject to restriction	on and/or election requirement.				
Application Papers					
9) The specification is objected to by the E	Examiner.				
10) The drawing(s) filed on is/are: a		by the Examiner.			
Applicant may not request that any objection	on to the drawing(s) be held in abeya	nce. See 37 CFR 1.85(a).			
Replacement drawing sheet(s) including th	e correction is required if the drawing	g(s) is objected to. See 37 CFR 1.121(d).			
11)☐ The oath or declaration is objected to b	y the Examiner. Note the attache	d Office Action or form PTO-152.			
Priority under 35 U.S.C. § 119					
12)⊠ Acknowledgment is made of a claim for a)⊠ All b)□ Some * c)□ None of:	r foreign priority under 35 U.S.C.	§ 119(a)-(d) or (f).			
 Certified copies of the priority do 	ocuments have been received.				
	ocuments have been received in A	• •			
3. Copies of the certified copies of	•	received in this National Stage			
application from the Internationa					
* See the attached detailed Office action to	for a list of the certified copies not	t received.			
·					
Attachment(s)					
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTC 		Summary (PTO-413) (s)/Mail Date			

Paper No(s)/Mail Date _____.

3) Information Disclosure Statement(s) (PTO/SB/08)

6) Other: _____.

Paper No(s)/Mail Date. _____. 5) Notice of Informal Patent Application

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claim 1 is rejected under 35 U.S.C. 102(e) as being anticipated by Mikami et al. (US Patent 6,655,133).

Mikami discloses an exhaust gas purifying system for an internal combustion engine, comprising:

an exhaust-after-treatment device disposed in an exhaust system of the internal combustion engine, and including a particulate filter (70) configured to collect particulates from exhaust gas, and an NO₂ generating unit inside the particulate filter (see col. 14, lines 38-46);

a burnt particulate amount calculating unit configured to calculate an amount of burnt particulates on the basis of a temperature of exhaust gas a temperature of the particulate filter (see Figure 24, col. 16, lines 7-10); and a particulate accumulation amount calculating unit configured to calculate an amount of accumulated particulates on the basis of the calculated amount of burnt particulates (see col. 18, lines 35-41).

Allowable Subject Matter

Application/Control Number: 10/531,329

Art Unit: 3748

Conclusion

Any inquiry concerning this communication from the examiner should be directed

to Examiner Diem Tran whose telephone number is (571) 272-4866. The examiner

can normally be reached on Monday -Friday from 8:00 a.m.- 6:00p.m.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's

supervisor, Thomas E. Denion, can be reached on (571) 272-4859. The fax number

for this group is (571)273-8300.

Information regarding the status of an application may be obtained from the Patent

Application Information Retrieval (PAIR) system. Status information for published

applications may be obtained from either Private PAIR or Public PAIR. Status information for

unpublished applications is available through Private PAIR only. For more information about

the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the

Private PAIR system, contact the Electronic Business Center (EBC) at 800-786-9199 (toll-

free).

Diem Tran

Patent Examiner

Art unit 3748

DT

THOMAS DENION

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SUPERVISORY PATENT EXAMINER

TECHNOLOGY CENTER 3700